

**AMENDMENTS TO THE CLAIMS**

1. (Original) Haptic feedback apparatus comprising:  
force application means arranged to apply a force to an elongate intervention device,  
control means arranged to control the force applied to the intervention device by the force application means, the control means being connected to at least one sensor arranged to sense a remote force on the intervention device and the control means being arranged to calculate the applied force in accordance with the remote force, the applied force being an amplification of the remote force,  
wherein the force application means comprises a resilient member arranged to apply the said force to the intervention device, and  
wherein the apparatus further comprises a sensor arranged to detect frictional force between the resilient member and the intervention device.
2. (Original) Haptic feedback apparatus according to claim 1, wherein the detected frictional force is used to control the amount of applied force.
3. (Currently Amended) Haptic feedback apparatus according to claim 1 ~~or claim 2~~, further comprising means for tracking the rotational movement of the intervention device.
4. (Currently Amended) Haptic feedback apparatus according to ~~any one of claims 1 to 3~~ claim 1, further comprising means for tracking the linear movement of the intervention device.

5. (Currently Amended) Haptic feedback apparatus according to ~~any one of claims 1 to 4~~ claim 1, further comprising means for comparing the remote force with a reference force.

6. (Currently Amended) Haptic feedback apparatus according to ~~any one of claims 1 to 5~~ claim 1, wherein the intervention device is suitable for insertion into a simulated human model.

7. (Original) Haptic feedback apparatus according to claim 6, wherein the remote force is generated using computer simulation.

8. (Currently Amended) Haptic feedback apparatus according to ~~any one of claims 1 to 7~~ claim 7, wherein the intervention device is operable to be inserted into a human subject.

9. (Currently Amended) Haptic feedback apparatus according to ~~any one of claims 1 to 8~~ claim 8, wherein the at least one sensor is disposed near or at a tip of the intervention device.

10. (Currently Amended) Haptic feedback apparatus according to ~~any one of claims 1 to 9~~ claim 7, further comprising a plurality of sensors disposed along the length of the intervention device and the control means is connected to each of the plurality of sensors.

Claim 11-36 (Canceled)